

What is claimed is:

1. An adhesive sheet strip for a redetachable bond, removable from a joint by pulling in the direction of the bond plane, having a nonadhering grip tab and a subsequent single-sidedly or double-sidedly adhering strip, which comprises of:
 - a) a backing composed of a film having a tensile strength of 2-20 N/cm and an elongation at break of 200 - 800%, and
 - b) applied to at least one side thereof, a polyurethane-based adhesive comprising:
 - 60 - 80% by weight of an aliphatic isocyanate/polyol crosslinking system,
 - 15 - 35% by weight of a filler, and
 - 0.05 - 0.20% by weight of an activator, based on the total weight of the adhesive.
2. The adhesive sheet strip as claimed in claim 1, wherein the film is 40 -80 μ m thick.
3. The adhesive sheet strip of claim 2 wherein the film is made of polyethylene, polypropylene or polyurethane.
4. The adhesive sheet strip as claimed in claim 1, wherein the adhesive is crosslinked thermally and, optionally, additionally by EBC, and optionally is additionally crosslinked at the cut edges by UV or EBC.
5. The adhesive sheet strip as claimed in claim 1, wherein the aliphatic isocyanate/polyol crosslinking system comprises of an optionally modified hexamethylene diisocyanate as the aliphatic isocyanate component and a polyetherpolyol and castor oil, which is optionally stabilized with tocopherols, as the polyol component.
6. The adhesive sheet strip as claimed in claim 1, wherein the filler is selected from the group consisting of an absorbent, zinc oxide, calcium carbonate, magnesium carbonate and mixtures thereof.

7. The adhesive sheet strip as claimed in claim 1, wherein the adhesive has been applied to both sides of the backing.
8. The adhesive sheet strip as claimed in claim 1, wherein the adhesive is 10 - 80 μm thick.
9. The adhesive sheet strip as claimed in claim 1, wherein the entire thickness of the adhesive sheet strip is 50 - 5000 μm .
10. The adhesive sheet strip as claimed in claim 1, wherein the entire thickness of the adhesive sheet strip is 100 - 2000 μm .
11. A method of providing an adhesive bond to a surface which comprises of applying the adhesive sheet strip of any one of claims 1-8 to said surface wherein parting of the adhesive bond, by pulling on said adhesive sheet strip in the direction of the bond plane, renders said surface damage-free and residueless